

 PALM Intranet

Application Number

IDS Flag Clearance for Application 10565109



Content	Mailroom Date	Entry Number	IDS Review	Last Modified	Reviewer
WIDS	2007-03-09	12	Y <input checked="" type="checkbox"/>	2008-01-07 12:01:24.0	MAli
WIDS	2006-01-19	6	Y <input checked="" type="checkbox"/>	2008-01-07 12:01:27.0	MAli
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PALM INTRANET

 Day : Monday
 Date: 1/7/2008
 Time: 12:02:02
Inventor Name Search Result

Your Search was:

Last Name = YABU

First Name = TOMOHIRO

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10466268	Not Issued	61	07/15/2003	Air conditioner	YABU, TOMOHIRO
10475429	7082781	150	10/22/2003	AIR CONDITIONING DEVICE	YABU, TOMOHIRO
10475534	7201013	150	10/22/2003	AIR CONDITIONING APPARATUS	YABU, TOMOHIRO
10476531	6959875	150	11/03/2003	HUMIDITY CONTROLLER	YABU, TOMOHIRO
10476658	6978635	150	11/04/2003	ADSORPTION ELEMENT AND AIR CONDITIONING DEVICE	YABU, TOMOHIRO
10493878	7104077	150	04/28/2004	AIR CONDITIONING APPARATUS	YABU, TOMOHIRO
10503211	7318320	150	03/14/2005	HUMIDITY CONTROL APPARATUS	YABU, TOMOHIRO
10523693	7096684	150	02/03/2005	AIR CONDITIONER	YABU, TOMOHIRO
10547938	Not Issued	93	09/08/2005	HUMIDITY CONTROLLER APPARATUS	YABU, TOMOHIRO
10547939	Not Issued	61	09/08/2005	Humidity controller apparatus	YABU, TOMOHIRO
10555081	Not Issued	25	10/31/2005	Humidity controller	YABU, TOMOHIRO
10560101	Not Issued	30	12/09/2005	Humidity controller apparatus	YABU, TOMOHIRO
10565109	Not Issued	30	01/19/2006	Moisture conditioner	YABU, TOMOHIRO
10568313	Not Issued	30	02/16/2006	Humidity control apparatus	YABU, TOMOHIRO
10574895	Not Issued	30	04/06/2006	Air conditioning system	YABU, TOMOHIRO
10574896	Not	25	04/06/2006	Air conditioning apparatus	YABU, TOMOHIRO

	Issued				
<u>10574899</u>	Not Issued	30	04/06/2006	Air conditioning system	YABU, TOMOHIRO
<u>10591055</u>	Not Issued	30	08/30/2006	Air conditioning system	YABU, TOMOHIRO
<u>10591060</u>	Not Issued	25	08/30/2006	Air conditioning system	YABU, TOMOHIRO
<u>10593441</u>	Not Issued	25	09/19/2006	Air Conditioner And Method Of Controlling Air Conditioner	YABU, TOMOHIRO
<u>10593474</u>	Not Issued	25	09/19/2006	Air conditioner and method of controlling such	YABU, TOMOHIRO
<u>10594916</u>	Not Issued	30	09/29/2006	Humidity Control System	YABU, TOMOHIRO
<u>10594917</u>	Not Issued	25	09/29/2006	Humidity Control System	YABU, TOMOHIRO
<u>11547188</u>	Not Issued	19	01/01/0001	Humidity control system	YABU, TOMOHIRO
<u>11587677</u>	Not Issued	25	10/26/2006	Adsorption Heat Exchanger	YABU, TOMOHIRO
<u>11662357</u>	Not Issued	19	01/01/0001	Humidity controller	YABU, TOMOHIRO
<u>11887247</u>	Not Issued	19	01/01/0001	Humidifier	YABU, TOMOHIRO
<u>11887248</u>	Not Issued	19	01/01/0001	Humidity Control System	YABU, TOMOHIRO

Inventor Search Completed: No Records to Display.

Search Another: Inventor	Last Name	First Name
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PALM INTRANET

Day : Monday
 Date: 1/7/2008
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Inventor Name Search Result

Your Search was:

Last Name = ISHIDA

First Name = SATOSHI

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>06541561</u>	<u>4528410</u>	150	10/13/1983	PROCESS FOR PREPARATION OF ALCOHOLS BY HYDRATION OF OLEFINS	ISHIDA, SATOSHI
<u>07398527</u>	<u>5013094</u>	150	08/25/1989	HYDRAULIC BRAKING SYSTEM	ISHIDA, SATOSHI
<u>07435018</u>	Not Issued	161	11/09/1989	DATA SYSTEM INCLUDING MULTI-USER TERMINAL MULTIPLEX TRANSMISSION	ISHIDA, SATOSHI
<u>07588182</u>	<u>5105623</u>	150	09/26/1990	HYDRAULIC BOOSTER WITH NOISE REDUCING TUBULAR MEMBER DISPOSED IN SPOOL	ISHIDA, SATOSHI
<u>07589526</u>	<u>5123712</u>	150	09/28/1990	HYDRAULIC BRAKING SYSTEM WITH HYDRAULIC BOOSTER	ISHIDA, SATOSHI
<u>07658386</u>	<u>5144391</u>	150	02/20/1991	SEMICONDUCTOR DEVICE WHICH RELIEVES INTERNAL STRESS AND PREVENTS CRACKING	ISHIDA, SATOSHI
<u>07658389</u>	<u>5183780</u>	150	02/20/1991	METHOD OF FABRICATING SEMICONDUCTOR DEVICE	ISHIDA, SATOSHI
<u>07738201</u>	<u>5318919</u>	250	07/30/1991	MANUFACTURING METHOD OF THIN FILM TRANSISTOR	ISHIDA, SATOSHI
<u>08028193</u>	Not Issued	166	03/09/1993	BRAKE SYSTEM FOR A MOTOR VEHICLE	ISHIDA, SATOSHI
<u>08095770</u>	<u>5428961</u>	150	07/19/1993	MICROMACHINES	ISHIDA, SATOSHI
<u>08140161</u>	<u>5453852</u>	150	03/07/1994	PAPER FEED ROLLER STRUCTURE FOR IMAGE READING APPARATUS	ISHIDA, SATOSHI
<u>08153351</u>	<u>5395457</u>	150	11/12/1993	PHOTOVOLTAIC DEVICE AND METHOD OF MANUFACTURING THE SAME	ISHIDA, SATOSHI

08332465	5417480	250	10/31/1994	BRAKE SYSTEM FOR A MOTOR VEHICLE	ISHIDA, SATOSHI
08334052	5683501	150	11/04/1994	COMPOUND FINE PARTICLES AND COMPOSITION FOR FORMING FILM	ISHIDA, SATOSHI
08426004	5544947	150	04/20/1995	HYDRAULIC BRAKE DEVICE FOR A VEHICLE	ISHIDA, SATOSHI
08462291	5491567	150	06/05/1995	IMAGE READING APPARATUS	ISHIDA, SATOSHI
08462870	5493422	150	06/05/1995	IMAGE READING APPARATUS WITH TRANSPARENT GUIDE FORMING SEPARATE ARC PASSAGES WITH FEED ROLLERS FOR DOCUMENT INSERTION AND OUTPUT	ISHIDA, SATOSHI
08463856	5510909	150	06/05/1995	IMAGE READING APPARATUS HAVING A PAPER GUIDE MECHANISM WITH SPRING BIASED LOCKING RELEASING PIECES CONNECTED BY SYMMETRICAL MOVEMENT AND LOCKING MECHANISMS	ISHIDA, SATOSHI
08464214	5493417	150	06/05/1995	IMAGE READING APPARATUS WITH DOCUMENT WIDTH SENSOR	ISHIDA, SATOSHI
08464215	5537225	150	06/05/1995	ATTACHMENT OF A LIGHT SOURCE IN AN IMAGE READING APPARATUS	ISHIDA, SATOSHI
08464416	5606430	150	06/05/1995	IMAGE READING APPARATUS HAVING REDUCED STATIC ELECTRICITY BETWEEN A DOCUMENT AND THE DEVICE	ISHIDA, SATOSHI
08465108	5504587	150	06/05/1995	IMAGE READING APPARATUS	ISHIDA, SATOSHI
08465114	5537219	150	06/05/1995	A MOVABLE IMAGE READING APPARATUS	ISHIDA, SATOSHI
08490525	5634697	150	06/14/1995	HYDRAULIC BRAKE DEVICE FOR A VEHICLE	ISHIDA, SATOSHI
08492041	6019909	150	07/21/1995	FLUORINATED HYDROCARBON COMPOUND AND PROCESS FOR ITS PREPARATION, AND	ISHIDA, SATOSHI

				REFRIGERATOR OIL AND MAGNETIC RECORDING MEDIUM LUBRICANT	
<u>08507292</u>	5573338	150	08/24/1995	AUTOMATIC PAPER FEEDER AND FRAME STRUCTURE OF DOCUMENT INPUT DEVICE	ISHIDA, SATOSHI
<u>08631939</u>	5628575	150	04/15/1996	AUTOMATIC PAPER FEEDER AND FRAME STRUCTURE OF DOCUMENT INPUT DEVICE	ISHIDA, SATOSHI
<u>08632163</u>	5624197	150	04/15/1996	AUTOMATIC PAPER FEEDER AND FRAME STRUCTURE OF DOCUMENT INPUT DEVICE	ISHIDA, SATOSHI
<u>08715402</u>	6025936	150	09/18/1996	IMAGE READING DEVICE	ISHIDA, SATOSHI
<u>08864346</u>	5960630	150	05/28/1997	HYDRAULIC BRAKE APPARATUS FOR A VEHICLE	ISHIDA, SATOSHI
<u>08865106</u>	5927074	150	05/29/1997	HYDRAULIC BRAKE APPARATUS FOR A VEHICLE	ISHIDA, SATOSHI
<u>08866242</u>	5924530	250	05/30/1997	HYDRAULIC BRAKE APPARATUS FOR A VEHICLE	ISHIDA, SATOSHI
<u>08964257</u>	Not Issued	119	11/04/1997	APPARATUS EQUIPPED WITH REMOVABLE SCANNER UNIT	ISHIDA, SATOSHI
<u>09024855</u>	6215154	150	02/13/1998	THIN FILM TRANSISTOR AND METHOD OF FABRICATING THE SAME	ISHIDA, SATOSHI
<u>09114813</u>	6133074	150	07/13/1998	THIN FILM TRANSISTOR AND METHOD OF FABRICATING THE SAME	ISHIDA, SATOSHI
<u>09345457</u>	6633414	150	06/30/1999	APPARATUS HAVING A SCANNER	ISHIDA, SATOSHI
<u>09407446</u>	Not Issued	71	09/29/1999	APPARATUS EQUIPPED WITH REMOVABLE SCANNER UNIT	ISHIDA, SATOSHI
<u>09463974</u>	Not Issued	161	02/14/2000	STABLE RADIOACTIVE MEDECINE	ISHIDA, SATOSHI
<u>09703146</u>	6467713	150	10/31/2000	TRACTION DEVICE FOR MEDICAL USE	ISHIDA, SATOSHI
<u>09730875</u>	Not Issued	161	12/05/2000	THIN FILM TRANSISTOR WITH GATE ELECTRODE HAVING TAPERED END PORTIONS	ISHIDA, SATOSHI
<u>09865552</u>	6568183	150	05/29/2001	HYDRAULIC BRAKE DEVICE FOR A VEHICLE	ISHIDA, SATOSHI

<u>09865622</u>	<u>6655513</u>	150	05/29/2001	HYDRAULIC BRAKE DEVICE FOR A VEHICLE	ISHIDA, SATOSHI
<u>09881529</u>	<u>7133169</u>	150	06/14/2001	APPARATUS EQUIPPED WITH REMOVABLE SCANNER UNIT	ISHIDA, SATOSHI
<u>09893402</u>	<u>6550245</u>	150	06/29/2001	HYDRAULIC BRAKE APPARATUS FOR A VEHICLE	ISHIDA, SATOSHI
<u>09893403</u>	<u>6478385</u>	150	06/29/2001	HYDRAULIC BRAKE APPARATUS FOR A VEHICLE	ISHIDA, SATOSHI
<u>09927375</u>	<u>6477839</u>	150	08/13/2001	HYDRAULIC BRAKE FOR A VEHICLE	ISHIDA, SATOSHI
<u>09942998</u>	<u>6513883</u>	150	08/31/2001	HYDRAULIC BRAKE FOR A VEHICLE	ISHIDA, SATOSHI
<u>09948584</u>	<u>6513884</u>	150	09/10/2001	HYDRAULIC BRAKE APPARATUS FOR A VEHICLE	ISHIDA, SATOSHI
<u>09955027</u>	<u>6513327</u>	150	09/19/2001	HYDRAULIC PRESSURE ASSISTING DEVICE PROVIDED FOR A HYDRAULIC BRAKE APPARATUS FOR A VEHICLE	ISHIDA, SATOSHI
<u>10092495</u>	<u>6641233</u>	150	03/08/2002	HYDRAULIC BRAKE APPARATUS FOR A VEHICLE	ISHIDA, SATOSHI

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EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	231	heat adj pump with desiccant	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/07 11:05
L2	19	heat adj pump and desiccant and adsorber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/07 11:07
L3	0	desiccant adj wheel and adsorber and regerati\$34	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/07 11:08
L4	14	desiccant adj wheel and adsorber and regenerati\$34	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/07 11:09
L5	193	desiccant and adsorber and regenerati\$34	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/07 11:10
L6	75	desiccant and adsorber and regenerati\$34 and humidity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/07 11:10



US005512083A

United States Patent [19]**Dunne**

[11] Patent Number: **5,512,083**
 [45] Date of Patent: **Apr. 30, 1996**

[54] **PROCESS AND APPARATUS FOR DEHUMIDIFICATION AND VOC ODOR REMEDIATION**

[75] Inventor: Stephen R. Dunne, Bethel, Conn.

[73] Assignee: UOP, Des Plaines, Ill.

[21] Appl. No.: 373,840

[22] Filed: Jan. 17, 1995

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 140,920, Oct. 25, 1993, abandoned.

[51] Int. Cl.⁶ **B01D 53/06**

[52] U.S. Cl. **95/113; 95/115; 95/125; 95/143; 95/144; 96/125; 96/130; 96/144; 96/154**

[58] Field of Search **95/107, 1 B, 115, 95/123, 125, 126, 141, 143, 144, 117-119, 121, 122; 96/125, 130, 146, 150**

[56] References Cited**U.S. PATENT DOCUMENTS**

2,993,563	7/1961	Munters et al.	.....	95/113 X
3,446,031	5/1969	Chi et al.	.....	62/271
3,844,737	1/1974	Macriss et al.	.....	95/113 X
4,012,206	3/1977	Macriss et al.	.....	95/113
4,134,743	1/1979	Macriss et al.	.....	55/34
4,402,717	9/1983	Izumo et al.	.....	55/388
4,409,006	10/1983	Matia	.....	95/113
4,421,532	12/1983	Sacchetti et al.	.....	55/28
4,503,023	3/1985	Breck et al.	.....	423/328
4,737,164	4/1988	Sarkkinen	.....	95/141 X
4,769,053	9/1988	Fischer Jr.	.....	55/389
4,775,484	10/1988	Schmidt et al.	.....	95/113 X
4,795,482	1/1989	Gioffe et al.	.....	95/141
4,846,855	7/1989	Tsujiimoto	.....	95/141 X

4,887,438	12/1989	Meckler	.....	62/271
5,158,582	10/1992	Omitsaka et al.	.....	95/113 X
5,167,679	12/1992	Maekawa et al.	.....	96/125
5,170,633	12/1992	Kaplan	.....	95/123 X
5,181,942	1/1993	Jain	.....	55/31
5,208,197	5/1993	Vassilakis et al.	.....	502/67
5,242,473	9/1993	Ogasahara	.....	96/125
5,300,138	4/1994	Fischer et al.	.....	96/125
5,401,706	3/1995	Fischer	.....	95/117 X
5,425,242	6/1995	Dunne et al.	.....	95/119 X

FOREIGN PATENT DOCUMENTS

2112661 7/1983 United Kingdom 95/113

OTHER PUBLICATIONS

Collier, Jr., R. K. "Advanced Desiccant Materials Assessment, Phase II, Final Report" (GRI-88/0125), Gas Research Institute, Chicago IL, Jan. 1988, pp. 38-46.

Fischer, Jr., John C., "SEMCO's Advanced 1M Desiccant Cooling Technology" Advertising Paper, Nov. 1993, 1800 East Point Drive, Columbia, MO 65201-3508.

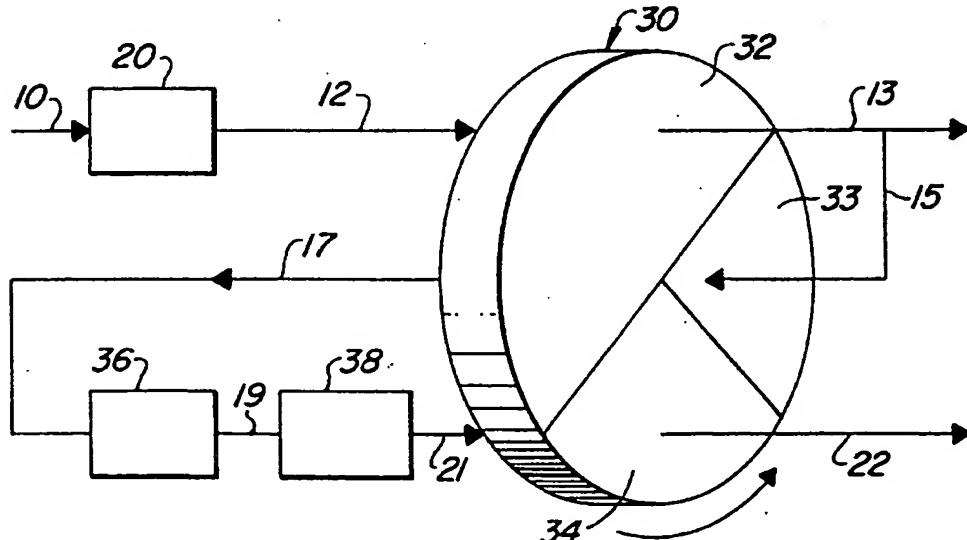
Primary Examiner—Robert Spitzer

Attorney, Agent, or Firm—Thomas K. McBride; John G. Tolomei; Richard P. Silverman

[57] ABSTRACT

A process and apparatus for the dehumidification and VOC odor remediation of an air stream withdrawn from the passenger compartment of a transportation vehicle is disclosed which employs a continuously rotating wheel support and adsorbent selective for the adsorption of water and VOCs. The wheel is coated with zeolite adsorbent selected from the group consisting of zeolite Y-74, zeolite Y-84, zeolite Y-85, a low cerium rare earth exchanged zeolite Y-84, a rare earth exchanged zeolite LZ-210 and mixtures thereof. A surprisingly significant increase in the thermal efficiency is possible as a result of the lower regeneration temperature of the adsorbent and the use of novel process steps.

23 Claims, 8 Drawing Sheets



DERWENT-ACC-NO: 1995-327351

DERWENT-WEEK: 199736

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TITLE: Heat pump and desiccant space conditioning
system -
from configures valve to allow refrigerant to flow
receiver through valve and reclaim coil to
suction side of compressor

INVENTOR: CALTON, D S; COELLNER, J A

PATENT-ASSIGNEE: ENGELHARD INC [ENGH]

PRIORITY-DATA: 1993US-0002427 (January 8, 1993)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
US 5448895 A	September 12, 1995	N/A
005 F25D 017/06		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
US 5448895A	N/A	1993US-0002427
January 8, 1993		

INT-CL (IPC): F25D017/06, F25D023/00

RELATED-ACC-NO: 1996-258583, 1996-411560, 1996-442815, 1996-475825,
, 1997-033084, 1997-384290

ABSTRACTED-PUB-NO: US 5448895A

BASIC-ABSTRACT:

The conditioning system comprises a device for converting a gaseous refrigerant at a first predefined temperature and pressure to a liquid refrigerant at a second predefined temperature and pressure. Water vapor is absorbed from process air. Sensible heat is transferred from process air to

Jan. 13, 1970

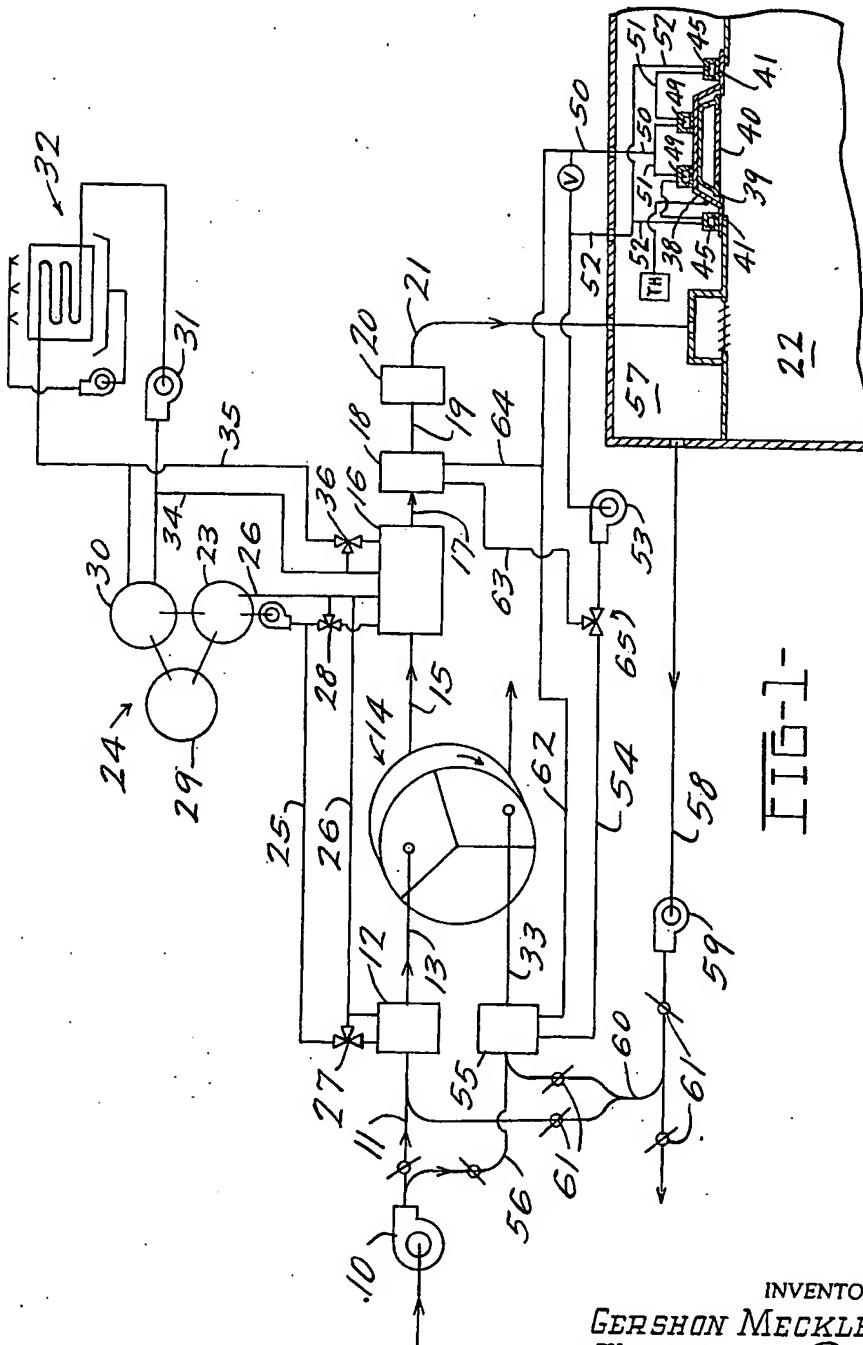
G. MECKLER

3,488,971

COMFORT CONDITIONING SYSTEM

Filed April 29, 1968

3 Sheets-Sheet 1



INVENTOR.
GERSHON MECKLER.
BY

BY 

ATTYS